

JCO7 Rec'd PCT/PTO 19 FEB 2007

FORM PTO-1390 (Modified) (REV 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				ARNOLD	
				U.S. APPLICATION NO (IF KNOWN, SEE 37 CFR 1.5) Unknown <b>10/049990</b>	
INTERNATIONAL APPLICATION NO <b>PCT/NL00/00589</b>		INTERNATIONAL FILING DATE <b>24 August 2000</b>		PRIORITY DATE CLAIMED <b>24 August 1999</b>	
TITLE OF INVENTION <b>VISOR ASSEMBLY</b>					
APPLICANT(S) FOR DO/EO/US <b>Derek Leslie ARNOLD</b>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below</li> <li>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31)</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4)</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau)</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3))</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4))</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409)</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210)</li> </ol> <p><b>Items 13 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A change of power of attorney and/or address letter</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4)</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)</li> <li>22. <input type="checkbox"/> Certificate of Mailing by Express Mail</li> <li>23. <input type="checkbox"/> Other items or information</li> </ol>					

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) <b>10/049990</b>		INTERNATIONAL APPLICATION NO. <b>PCT/NL00/00589</b>		ATTORNEY'S DOCKET NUMBER <b>ARNOLD</b>	
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24. The following fees are submitted. <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b>				<b>CALCULATIONS PTO USE ONLY</b>	
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO . . . . .				\$1040.00	
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . .				\$890.00	
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO . . . . .				\$740.00	
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . .				\$710.00	
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . .				\$100.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$890.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than _____ months from the earliest claimed priority date (37 CFR 1.492 (e)) <span style="float: right;"> <input type="checkbox"/> 20    <input checked="" type="checkbox"/> 30                 </span>				\$130.00	

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	TOTAL	
Total claims	- 20 =	0	x \$18 00	\$0.00	
Independent claims	- 3 =	0	x \$84 00	\$0.00	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>				\$0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,020.00	
<input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27) The fees indicated above are reduced by 1/2				\$0.00	
<b>SUBTOTAL =</b>				\$1,020.00	
Processing fee of \$130.00 for furnishing the English translation later than _____ months from the earliest claimed priority date (37 CFR 1.492 (f)) <span style="float: right;"> <input type="checkbox"/> 20    <input type="checkbox"/> 30                 </span>				\$0.00	
<b>TOTAL NATIONAL FEE =</b>				\$1,020.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)) The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <span style="float: right;"> <input type="checkbox"/> </span>				\$0.00	
<b>TOTAL FEES ENCLOSED =</b>				\$1,020.00	
				Amount to be: refunded	\$
				charged	\$

a. ☒ A check in the amount of **\$1,020.00** to cover the above fees is enclosed

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No **080570** A duplicate copy of this sheet is enclosed

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

Express Mail Label No.  
**EV058663462US**

SIGNATURE \_\_\_\_\_

**Anthony H. Handal/Roger Pitt**

NAME \_\_\_\_\_

**26,275/46,996**

REGISTRATION NUMBER \_\_\_\_\_

**19 February 2002**

DATE \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

-----X	:	Attorney Docket
In re application of	:	No.: ARNOLD
Applicant: Derek Leslie ARNOLD	:	
Serial No.: (Unknown) U.S. National Phase	:	GAU: Unknown
of PCT/NL00/00589	:	
	:	Examiner: Unknown
Dated: August 24, 2000	:	
For: "VISOR ASSEMBLY"	:	
-----X	:	

February 19, 2002

BOX PCT  
Assistant Commissioner for Patents  
Washington, D.C. 20231

## PRELIMINARY AMENDMENT

**S I R:**

Prior to calculation of the filing fee, please make the following amendments, referring to claims 11-20 accompanying the International Preliminary Examination Report, on which claims, when amended as set forth herein, it is requested that examination is based.

**IN THE SPECIFICATION:**

Please enter the amendment comprising amended sheets 1-2 date stamped  
"22. 10. 2001" accompanying the International Preliminary Examination Report.

**IN THE CLAIMS:**

Please CANCEL claims 1-10 of the International Application as filed

Amended sheet 6 (claims 1-10) need NOT be entered in light of new claims 11-20 herein below.

Please ADD new claims 11-20 reading as follows:

11. (new) Visor assembly comprising an outer shield and an inner shield spaced therefrom, which inner shield is located within the periphery of the outer shield, wherein mechanical fixing means are arranged between the two shields for fixing the latter with respect to one another, said outer shield being provided with means for fixing the latter with respect to one another, said outer shield being provided with means for fixing to a further component, such as a helmet or goggles frame, wherein a seal/spacer extending around the periphery of said inner shield is fitted between the outer shield and inner shield, said seal/spacer being stuck to the inner shield and fitted detachably against said outer shield.

12. (new) Visor assembly according to Claim 11, wherein a gas/air chamber is delimited between the inner shield and outer shield and wherein the internal width of said chamber is at least 2 mm.

13. (new) Visor according to Claim 11, wherein said mechanical fixing means comprise pins fitted on the outer shield which interact with recesses made in the inner shield.

14. (new) Visor assembly according to Claim 11, wherein said seal/spacer is made of

silicone material.

15. (new) Visor assembly according to Claim 11, wherein said outer shield is made of polycarbonate.

16. (new) Visor assembly according to Claim 11, wherein said inner shield is made of heat-treated cellulose acetate material.

17. (new) Visor assembly according to Claim 11, wherein said mechanical fixing means comprise a seat in said outer shield which at least partially corresponds to the shape of said inner shield.

18. (new) Visor assembly according to Claim 11, wherein said inner shield is made of cellulose propionate material.

19. (new) Visor assembly according to Claim 18, wherein said inner shield is provided on one side with a coating that counter acts misting up.

20. (new) Visor assembly according to Claim 18, wherein said inner shield is provided on one side with a coating which improves scratch resistance.

REMARKS

The claim amendments are made in order to remove multiple dependencies.

Respectfully submitted,

By:



Anthony H. Handal  
Reg. No. 26,275  
Roger Pitt  
Reg. No. 46,996

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Visor assembly

The present invention relates to a visor assembly comprising an outer shield and an inner shield spaced therefrom, which inner shield is located within the periphery of the outer shield, a seal/spacer extending around the periphery of said inner shield being fitted  
5 between the outer shield and inner shield.

An assembly of this type is disclosed in DE 3 244 152 A1. This publication describes a safety visor assembly consisting of an outer shield and an inner shield. The inner shield is hingeably attached to a helmet construction. These shields are held apart by a rubber ring  
10 which is fitted in a seat in one of the shields. The parts are then fixed to one another with the aid of a moulding material. The space between inner shield and outer shield can optionally be filled with a plastic composition in order to increase the strength thereof. Strength is of primary importance for such helmets.

A mechanical construction for holding an inner shield and an outer shield apart is disclosed in PCT Application 9616563 in the name of Derk's Patent B.V. With this  
15 structure the outer shield is provided with means for fixing to a helmet or the like. The aim of such a structure is to prevent the visor misting up. With this structure the distance between inner shield and outer shield is guaranteed only in a single location and in principle air containing moisture, water and dirt is able freely to move between inner shield  
20 and outer shield. Consequently it is not possible to prevent misting up of the inner shield in an optimum manner under all conditions.

However, if the structure according to DE 3 244 152 A1 were to be used, there would be the disadvantage that both the inner shield and the outer shield would have to be removed in the event of damage.

25 Such structures with permanent fixing between inner shield and outer shield are also disclosed in US 3 718 937 and EP 0 504 518 A.

The aim of the present invention is to avoid the disadvantages associated with the prior art. That is to say, the aim is to provide a chamber between inner shield and outer shield that can be filled with air or a gas and as far as possible is sealed with respect to the  
30 environment. Moreover, the width of such a chamber, that is to say the internal spacing between inner shield and outer shield, must be optimised in order as far as possible to prevent misting up. Furthermore, it must be simple to replace the various components independently of one another. The shapes of the shields must also follow one another as far

as possible, that is to say the shields must lie against one another in the correct manner.

These aims are achieved with a visor assembly described above in that the seal/spacer is stuck to the inner shield and is fitted detachably against said outer shield and in that mechanical fixing means are arranged between the two shields for fixing the latter with respect to one another, said outer shield being provided with means for fixing to a further component, such as a helmet or goggles frame.

According to the invention a visor assembly is understood to comprise any possible application. One important application is that in combination with helmets or other headwear. A further application is that of goggles-like constructions. However, windows in vehicles and instrument covers exposed to the open air, and the like, can also make use of the technology according to the invention. A particular application of the invention lies in helmets, goggles and the like which are used at low temperature. In snowmobiles, for example, there is the problem that moisture exhaled by the driver and/or passengers deposits as ice on the visor as a result of direct heat transfer with the environment. Surprisingly, it has been found that this problem no longer exists with the construction according to the invention.

As can be seen from the above, the spacer is stuck to the inner shield only. Fixing of the inner shield to the outer shield takes place with the aid of mechanical means. Consequently it is possible to release the connection between the inner shield and the outer shield at any desired point in time. This can be the case if, for example, the outer shield has been damaged. Moreover, this can be necessary if the inside of the outer shield or the outside of the inner shield becomes damp or soiled for any reason whatsoever.

According to an advantageous embodiment of the invention, the mechanical fixing means comprise pins fitted on the outer shield which interact with recesses made in the inner shield. Such mechanical fixing means are known in the state of the art for use of a visor assembly with which the inner shield and outer shield are positioned against one another. Such a construction is described in European Patent Application 95937212.9 in the name of <sup>e</sup>Derk's Patent B.V.

In the case of the present invention there is a gap between the inner shield and outer shield.

The pins and recesses interacting therewith, which have been described above, can be further developed depending on the application. For instance, the pins can comprise eccentric pins, as a result of which a closer fit to the position of the recesses can be

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obtained. Furthermore, the recesses must be made in attachments, which attachments, in turn, are fitted to the inner shield. If the attachments comprise a resilient construction, any differences in tolerance between pins and recesses which arise either during production or during use can be compensated for.

5 According to an advantageous embodiment of the invention the seal/spacer is made of silicone material. This acts as a flexible seal between the inner shield and outer shield. Moreover, the compressive strain between the two shields is uniformly distributed. Preferably the silicone material is dry, set and flexible silicone material. The ingress of moisture and the like between the two shields is prevented as far as possible by means of  
10 such a construction. Because the spacer is not stuck to the outer shield, some movement relative thereto is possible. This is of importance if the inner shield and outer shield are made of different materials. One example of this is if the outer shield is made of polycarbonate and the inner shield of cellulose acetate. Differences in expansion can be overcome without any problem with the aid of a rubbery elastic seal. If cellulose acetate or  
15 other plastics are used it can be important to subject these to a heat treatment in advance. The mechanical properties can be improved by this means. This relates to the material having the same properties in all directions and to restriction of shrinkage when the material is subsequently subjected to high temperature. Cellulose acetate, for example, can be subjected to a heat treatment at approximately 25 – 80 °C for approximately two hours  
20 for this purpose.

According to an advantageous embodiment of the invention, the inner shield is made of cellulose propionate. The light transmission of the latter is appreciably better than that of cellulose acetate. The inner shield can acquire improved hydrophilic properties by applying a silicone-based coating thereto, by means of which misting up is counteracted. It is  
25 possible to provide the other side with a hard, scratch-resistant coating. By making the inner shield removable with respect to the outer shield it is possible to use such an inner shield in two positions, a first, winter position in which the coating on the inner shield which counteracts misting up faces towards the face of the user and a second, summer position in which the inner shield is fitted precisely the other way round. Of course, in such  
30 an embodiment the inner shield will be provided with a rim of flexible material on both sides.

It must be understood that the use of cellulose propionate as described above for an inner shield is not restricted to combination with the technique for fixing to an outer shield.

That is to say, any combination of an inner shield made of cellulose propionate material with an outer shield fixed to one another in any manner whatsoever and with or without the provision of a mutual seal falls within the scope of the present invention.

5 The distance between the inner shield and outer shield can be adjusted as desired and is preferably greater than 2 mm and more particularly approximately 3 mm. Apart from the fact that the insulation between inner shield and outer shield is optimised by this means, it is also possible in this way to achieve an optimum seal between inner shield and outer shield. It will be understood that sealing between inner shield and outer shield is appreciably more difficult than in the case of constructions which have a permanent  
10 closure.

According to a further advantageous embodiment of the invention the outer shield is provided with a recess. The dimensions of this recess at least correspond to the peripheral dimensions of the inner shield. The inner shield can be fitted in such a recess. The mechanical fixing means can be a snap-fit rim or the like in this case. Other constructions  
15 for fixing the inner shield in the seat can easily be envisaged by those skilled in the art and fall within the scope of the present invention.

The invention will be explained in more detail below with reference to illustrative embodiments shown in the drawing. In the drawing:

20 Fig. 1 shows a helmet provided with a first embodiment of the visor assembly according to the invention;

Fig. 2 shows a perspective view of a detail of the visor assembly according to Fig. 1;

Fig. 3 shows a perspective view of a second embodiment of the visor assembly according to the invention; and

Fig. 4 shows a section along the line IV-IV in Fig. 3.

25 In Fig. 1 the visor assembly according to the invention is indicated in its entirety by 1. An outer visor can be seen, which is hingeably joined to a helmet 3 in a manner not shown in more detail. As can be seen from Fig. 2, the visor assembly 1 consists of an inner shield 6 in addition to the outer shield 2. Inner shield 6 can be secured within the outer shield 2 with the aid of recesses 12 and pins 10 which are fitted in the outer shield 2 and  
30 together form retaining means 8. Such a construction is described in more detail in European Application 95937212.9.

According to the invention the inner shield 6 is now provided with a peripheral rim 7 of silicone material. This bead material is stuck to the inner shield but is applied to outer

shield 2 only after it has set, that is to say after the silicone material 7 no longer has any adhesive properties. As a result of the presence of this bead 7 the inner shield 6 is held some distance away from the outer shield 2. Moreover, complete sealing between inner shield 6 and outer shield 2 takes place.

5 Should it be necessary for any reason whatsoever to take inner shield 6 and outer shield 2 apart this is then possible in a simple manner because no permanent adhesive joint has been produced with the aid of the ring of silicone material 7.

Any other mechanical fixing constructions known in the prior art can be used instead of the fixing means 8 shown. In Figs 3 and 4 a variant of the visor assembly according to  
10 the invention is shown and is indicated in its entirety by 21. In this case it is not indicated on what this visor is fitted.

As can be seen, a recess or seat 23 has been made in the outer shield 22. The dimensions of this recess or seat correspond to the external dimensions of the inner shield 26. As in the case of the previous embodiment, inner shield 26 is provided close to the  
15 periphery thereof with a rim or ring 27 extending all round. This rim or ring is made of a flexible sealing material. Fixing of inner shield 26 to outer shield 22 takes place with the aid of a simple snap-fit construction. Snap-in lips 24 and 25 are arranged at, respectively, the top and bottom in the outer shield 22. By this means the inner shield 26 can be pushed  
20 against the outer shield 22 under some pretension. Spacer 27 provides a seal between inner shield and outer shield, as a result of which ingress of moisture, and consequently misting up of the outer shield 22, can be prevented.

It must be understood that the construction with which the inner shield is somewhat sunken in the outer shield can also be implemented in another way. For instance, it is possible to construct the outer shield with an appreciable thickness, for example 3 mm,  
25 close to the periphery. By making a recess, for example 1 mm deep, in this thickness, the inner shield can be accommodated therein. That is to say the outer shield has a lesser thickness at the location of the inner shield. With this arrangement it is possible for a recess made in this way in the outer shield to be delimited on all sides by thicker material of the outer shield. However, it is also possible to allow the lesser thickness of the outer shield to  
30 extend over the entire length thereof in a certain direction. The inner shield can be moved relative to the outer shield in that direction and brought into position.

On comparison of the above illustrative embodiments, further variant embodiments will immediately become apparent to those skilled in the art. These are obvious in the light

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of the above description and fall within the scope of the appended claims.

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Claims

1. Visor assembly (1, 21) comprising an outer shield (2, 22) and an inner shield (6, 26) spaced therefrom, which inner shield is located within the periphery of the outer shield, a seal/spacer extending around the periphery of said inner shield being fitted between the outer shield and inner shield, characterised in that the seal/spacer (7, 27) is stuck to the inner shield and is fitted detachably against said outer shield and in that mechanical fixing means (8, 24, 25) are arranged between the two shields for fixing the latter with respect to one another, said outer shield being provided with means for fixing to a further component, such as a helmet or goggles frame.
2. Visor assembly according to Claim 1, wherein a gas/air chamber is delimited between the inner shield and outer shield and wherein the internal width of said chamber is at least 2 mm.
3. Visor according to Claim 1, wherein said mechanical fixing means comprise pins (10) fitted on the outer shield which interact with recesses (12) made in the inner shield.
4. Visor assembly according to one of the preceding claims, wherein said seal/spacer is made of silicone material.
5. Visor assembly according to one of the preceding claims, wherein said outer shield is made of polycarbonate.
6. Visor assembly according to one of the preceding claims, wherein said inner shield is made of heat-treated cellulose acetate material.
7. Visor assembly according to one of the preceding claims, wherein said mechanical fixing means comprise a seat (23) in said outer shield (22) which at least partially corresponds to the shape of said inner shield (26).
8. Visor assembly according to one of the preceding claims, wherein said inner shield is made of cellulose propionate material.
9. Visor assembly according to Claim 8, wherein said inner shield is provided on one side with a coating that counteracts misting up.
10. Visor assembly according to Claim 8 or 9, wherein said inner shield is provided on one side with a coating which improves scratch resistance.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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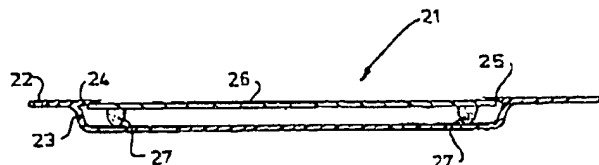
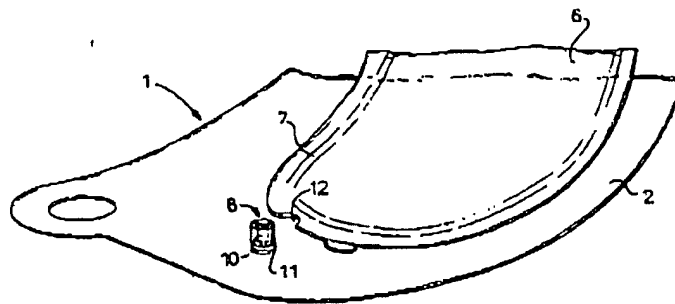
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- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): ARNOLD, Derek, Weslie [GB/NL]; Jupiterstraat 26, NL-8303 ZV Emmeloord (NL).
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[Continued on next page]

(54) Title: VISOR ASSEMBLY



(57) Abstract: Visor assembly (1, 21) consisting of an inner shield (6, 26) and an outer shield (2, 22). In the use position these shields are some distance apart. With this arrangement the inner shield (6, 26) is located within the peripheral confines of the outer shield (2, 22). The inner shield (6, 26) is provided with an elevation (7, 27) which extends close to the periphery thereof and which acts as a spacer with respect to the outer shield. This elevation (7, 27) is preferably made of silicone material which is stuck to the inner shield (6, 26) but is not stuck to the outer shield (2, 22). Fixing to the outer shield (2, 22) takes place by means (10, 12) of mechanical fixing means.

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1/2

fig-1

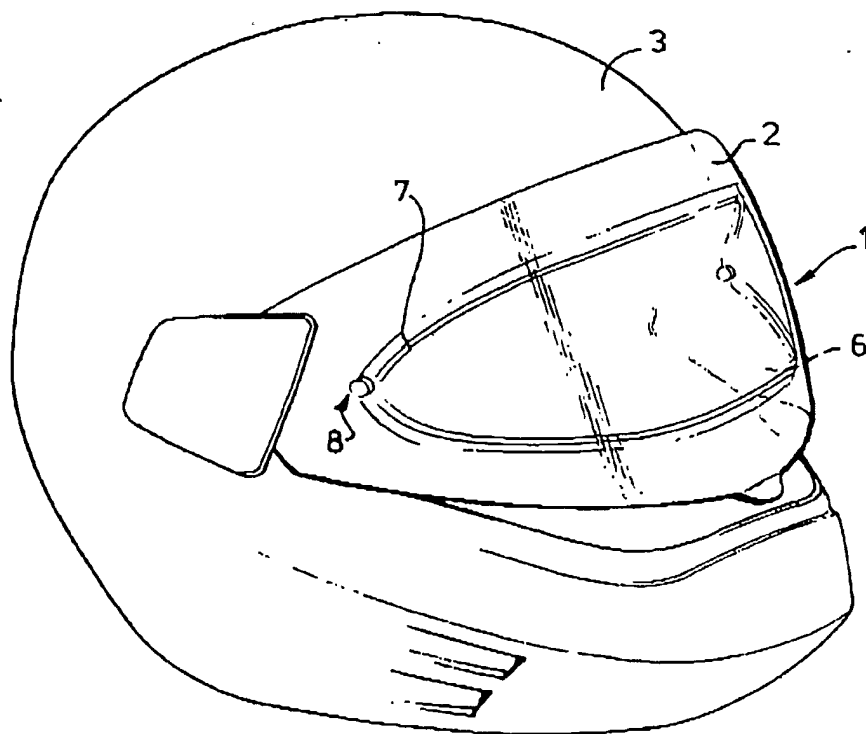
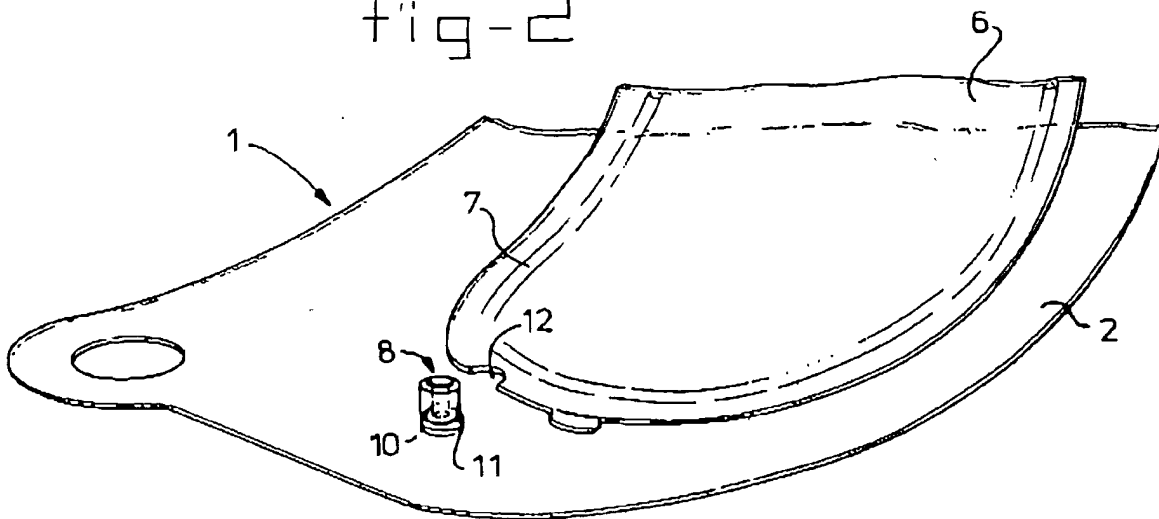


fig-2



2/2

fig-3

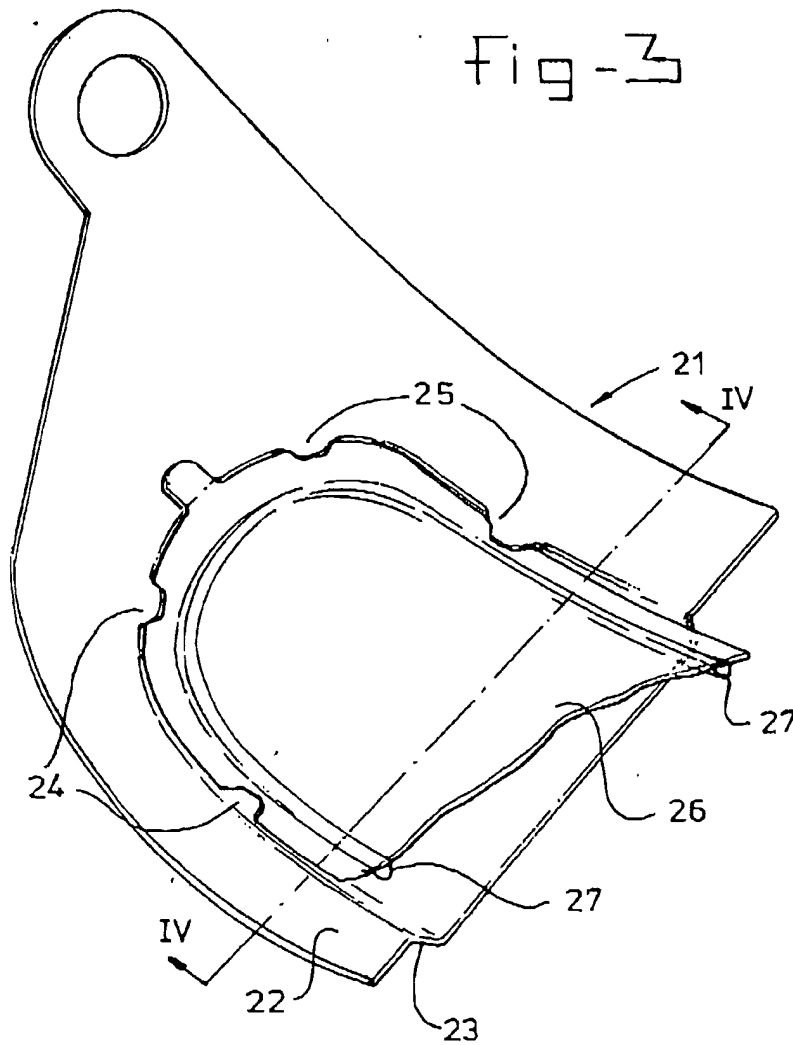
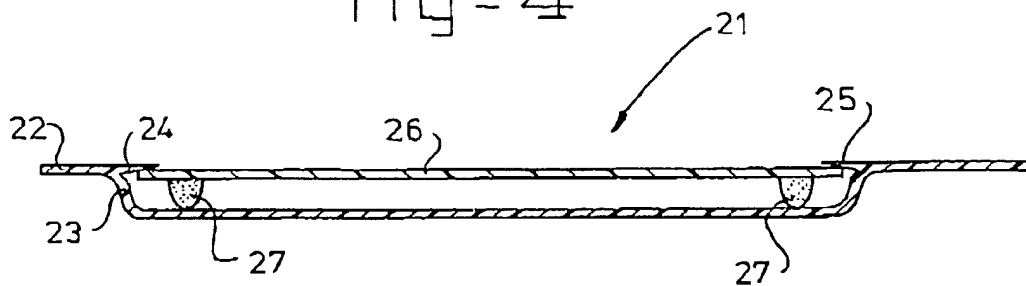


fig-4





# COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL DESIGN, NATIONAL STAGE OF PCT OR CIP APPLICATION)

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## Visor assembly

the specification of which: (complete (a), (b) or (c) for type of application)

### REGULAR OR DESIGN APPLICATION

- a. ☐ is attached hereto.  
b. ☐ was filed on \_\_\_\_\_ as Application  
Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_  
(if applicable)

### PCT FILED APPLICATION ENTERING NATIONAL STAGE

- c. ☒ was described and claimed in International application No. PCT/NL00/00589  
filed on 24 August 2000  
and as amended on \_\_\_\_\_ (if any)

### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, paragraph 1.56(a).

In compliance with this duty there is attached an information disclosure statement 37 CFR 1.97

### PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code paragraph 119 of any foreign application (s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent of inventor's certificate having a filing date before that of the application on which priority is claimed.

(complete (d) or (e))

- d. ☐ no such applications have been filed  
e. ☒ such applications have been filed as follows

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION**

Country	Application Number	Date of filing (day, month, year)	Date of Issue (day, month, year)	Priority claimed
The Netherlands	1012896	24 August 1999		Yes

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION**

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**CONTINUATION-IN-PART**

(Complete this part only if this is a continuation-in-part application)

I hereby declare claim the benefit under Title 35, United States code, paragraph 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claim of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, paragraph 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, paragraph 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing date) (Status) (patented, pending, abandoned)

(Application Serial No.) (Filing date) (Status) (patented, pending, abandoned)

**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney and agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Anthony H. Handal, Reg. No. 26,275

Send Correspondence to:

Handal & Morofsky, Counselors at Law,  
80 Washington Street  
NORWALK, Connecticut 06854

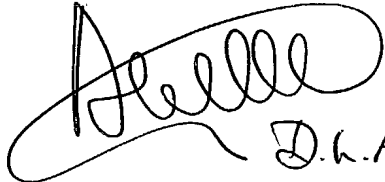
Direct telephone calls to: (203) 838-8589

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

1-00

Full name of sole or first inventor: ARNOLD, Derek Leslie

Inventor's signature

  
D.L. ARNOLD.

Date 20 March 2002

Country of Citizenship: Great Britain

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